



PATENT
Attorney Docket No. 213338

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Murakami et al.

Application No. 09/941,972

Filed: August 29, 2001

For: ADHESIVE COMPOSITION FOR
SKIN AND ADHESIVE TAPE OR
SHEET FOR SKIN COMPRISING
THE COMPOSITION

Art Unit: 1713

Examiner: J. M. Reddick

RECEIVED
JUL 23 2002
TECHNOLOGY CENTER 1700

**AMENDMENTS TO THE CLAIMS MADE IN
RESPONSE TO OFFICE ACTION DATED APRIL 2, 2002**

- 17. (Canceled)
- 18. (Canceled)
- 19. (Canceled)
- 20. (Canceled)
- 21. (Canceled)
- 22. (Canceled)
- 23. (Canceled)
- 24. (Canceled)
- 25. (Canceled)
- 26. (Canceled)

COPY OF PAPERS
ORIGINALLY FILED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Murakami et al.

Application No. 09/941,972

Filed: August 29, 2001

Art Unit: 1713

Examiner: J. M. Reddick

For: **ADHESIVE COMPOSITION FOR
SKIN AND ADHESIVE TAPE OR
SHEET FOR SKIN COMPRISING
THE COMPOSITION**

**PENDING CLAIMS AFTER AMENDMENTS
MADE IN RESPONSE TO OFFICE ACTION DATED APRIL 2, 2002**

1. An adhesive composition for application to skin, which comprises
an acrylic copolymer (100 parts by weight) obtained from a monomer mixture
comprising a (meth)acrylic acid alkyl ester monomer (40-80 wt%), an alkoxy group-
containing ethylenically unsaturated monomer (10-60 wt%) and a carboxy group-
containing ethylenically unsaturated monomer (1-10 wt%), and
a carboxylic acid ester (20-120 parts by weight), which is liquid or paste at room
temperature,
wherein the acrylic copolymer has a gel fraction of 30-80 wt%.
2. The adhesive composition for application to skin according to claim 1, wherein
the carboxylic acid ester is a glycerine ester of saturated fatty acid.
3. The adhesive composition for application to skin according to claim 2, wherein
the saturated fatty acid has 8 to 10 carbon atoms.
4. The adhesive composition for application to skin according to claim 3, wherein
the saturated fatty acid having 8 to 10 carbon atoms is selected from the group consisting of a
caprylic acid, a capric acid and a 2-ethylhexanoic acid.

5. The adhesive composition for application to skin according to claim 2, wherein the glycerine ester is a triglycerine ester.

6. The adhesive composition for application to skin according to claim 2, wherein the glycerine ester of saturated fatty acid is selected from the group consisting of triglyceryl caprylate, triglyceryl caprate and triglyceryl 2-ethylhexanoate.

7. The adhesive composition for application to skin according to claim 1, wherein the adhesive layer is chemically crosslinked.

8. The adhesive composition for application to skin according to claim 7, wherein the chemical crosslinking is performed using an organic compound selected from the group consisting of an organic peroxide, an isocyanate compound, an epoxy compound and a metal chelate compound.

9. An adhesive composition for application to skin comprising
an acrylic copolymer (100 parts by weight) obtained from a monomer mixture comprising a (meth)acrylic acid alkyl ester monomer (40-80 wt%), an alkoxy group-containing ethylenically unsaturated monomer (10-60 wt%) and a carboxy group-containing ethylenically unsaturated monomer (1-10 wt%) and
a carboxylic acid ester (20-120 parts by weight), which is liquid or paste at room temperature,
wherein the acrylic copolymer has a gel fraction of 20-60 wt%.

10. The adhesive composition for application to skin according to claim 9, wherein the carboxylic acid ester is a glycerine ester of saturated fatty acid.

11. The adhesive composition for application to skin according to claim 10, wherein the saturated fatty acid has 8 to 10 carbon atoms.

12. The adhesive composition for application to skin according to claim 11, wherein the saturated fatty acid having 8 to 10 carbon atoms is selected from the group consisting of a caprylic acid, a capric acid and a 2-ethylhexanoic acid.

13. The adhesive composition for application to skin according to claim 10, wherein the glycerine ester is a triglycerine ester.

14. The adhesive composition for application to skin according to claim 10, wherein the glycerine ester of saturated fatty acid is selected from the group consisting of triglyceryl caprylate, triglyceryl caprate and triglyceryl 2-ethylhexanoate.

15. The adhesive composition for application to skin according to claim 9, wherein the adhesive layer is chemically crosslinked.

16. The adhesive composition for application to skin according to claim 15, wherein the chemical crosslinking is performed using an organic compound selected from the group consisting of an organic peroxide, an isocyanate compound, an epoxy compound and a metal chelate compound.